RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/806,125F
Source: EFW16
Date Processed by STIC: 10/26/04

ENTERED

IFW16

RAW SEQUENCE LISTING DATE: 10/26/2004
PATENT APPLICATION: **US/09/806,125F** TIME: 16:13:42

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\10262004\I806125F.raw**

```
      3 <110> APPLICANT: MATSUTANI, Etsuya
      4       NAITO, Kenichiro
      6 <120> TITLE OF INVENTION: Agents For Retarding Change of Hormone-dependent Cancer into
Hormone-
      7       independent Cancer
      9 <130> FILE REFERENCE: 2556US0P
     11 <140> CURRENT APPLICATION NUMBER: 09/806,125F
     12 <141> CURRENT FILING DATE: 2001-03-28
     14 <150> PRIOR APPLICATION NUMBER: PCT/JP99/05533
     15 <151> PRIOR FILING DATE: 1999-10-07
     17 <150> PRIOR APPLICATION NUMBER: JP 10-286793
     18 <151> PRIOR FILING DATE: 1998-10-08
     20 <160> NUMBER OF SEQ ID NOS: 13
     22 <170> SOFTWARE: PatentIn version 3.0
     24 <210> SEQ ID NO: 1
     25 <211> LENGTH: 10
     26 <212> TYPE: PRT
     27 <213> ORGANISM: artificial sequence
     29 <220> FEATURE:
     30 <223> OTHER INFORMATION: LH-RH peptide derivative
     32 <220> FEATURE:
     33 <221> NAME/KEY: MOD_RES
     34 <222> LOCATION: (6)..(6)
     35 <223> OTHER INFORMATION: Xaa = DLeu, DAla, DTrp, DSer(tBu), D2Nal, or Dhis(ImBzl)
     37 <220> FEATURE:
     38 <221> NAME/KEY: MOD_RES
     39 <222> LOCATION: (10)..(10)
     40 <223> OTHER INFORMATION: Xaa = Gly-NH2, or -NH-C2H5
     42 <400> SEQUENCE: 1
W--> 43 Pro His Trp Ser Tyr Xaa Leu Arg Pro Xaa
     44 1               5                   10
     46 <210> SEQ ID NO: 2
     47 <211> LENGTH: 10
     48 <212> TYPE: PRT
     49 <213> ORGANISM: artificial sequence
     51 <220> FEATURE:
     52 <223> OTHER INFORMATION: LH-RH peptide derivative
     54 <220> FEATURE:
     55 <221> NAME/KEY: MOD_RES
     56 <222> LOCATION: (6)..(6)
     57 <223> OTHER INFORMATION: Xaa = DLeu, DAla, DTrp, DSer(tBut), D2Nal, or DHis(ImBzl)
     59 <220> FEATURE:
     60 <221> NAME/KEY: MOD_RES
     61 <222> LOCATION: (10)..(10)
```

(ps. 6)

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```
    62 <223> OTHER INFORMATION: Xaa = Gly-NH2, or NH-C2H5
    64 <400> SEQUENCE: 2
W--> 65 Pro His Trp Ser Tyr Xaa Leu Arg Pro Xaa
    66 1               5                   10
    68 <210> SEQ ID NO: 3
    69 <211> LENGTH: 11
    70 <212> TYPE: PRT
    71 <213> ORGANISM: artificial sequence
    73 <220> FEATURE:
    74 <223> OTHER INFORMATION: LH-RH peptide derivative
    76 <220> FEATURE:
    77 <221> NAME/KEY: MOD_RES
    78 <222> LOCATION: (1)..(1)
    79 <223> OTHER INFORMATION: Xaa = N(4H2-furoyl)Gly, or NAc
    81 <220> FEATURE:
    82 <221> NAME/KEY: MOD_RES
    83 <222> LOCATION: (2)..(2)
    84 <223> OTHER INFORMATION: Xaa = D2Nal
    86 <220> FEATURE:
    87 <221> NAME/KEY: MOD_RES
    88 <222> LOCATION: (3)..(3)
    89 <223> OTHER INFORMATION: Xaa = D4ClPhe
    91 <220> FEATURE:
    92 <221> NAME/KEY: MOD_RES
    93 <222> LOCATION: (4)..(4)
    94 <223> OTHER INFORMATION: Xaa = D3Pal
    96 <220> FEATURE:
    97 <221> NAME/KEY: MOD_RES
    98 <222> LOCATION: (6)..(6)
    99 <223> OTHER INFORMATION: Xaa = NMeTyr, Tyr, Aph(Atz), or NMeAph(Atz)
   101 <220> FEATURE:
   102 <221> NAME/KEY: MOD_RES
   103 <222> LOCATION: (7)..(7)
   104 <223> OTHER INFORMATION: Xaa = DLys(Nisp), DCit, DLys(AzaglyNic), DLys(AzaglyFur),
DhArg(Atz), or
   105       D
   106       hC
   108 <220> FEATURE:
   109 <221> NAME/KEY: MOD_RES
   110 <222> LOCATION: (9)..(9)
   111 <223> OTHER INFORMATION: Xaa = Lys(Nisp), Arg, or hArg(Et2)
   113 <220> FEATURE:
   114 <221> NAME/KEY: MOD_RES
   115 <222> LOCATION: (11)..(11)
   116 <223> OTHER INFORMATION: Xaa = DAla
   118 <400> SEQUENCE: 3
W--> 119 Xaa Xaa Xaa Xaa Ser Xaa Xaa Leu Xaa Pro Xaa
   120 1               5                   10
   122 <210> SEQ ID NO: 4
   123 <211> LENGTH: 6
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RAW SEQUENCE LISTING DATE: 10/26/2004
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Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\10262004\I806125F.raw**

124 <212> TYPE: PRT
125 <213> ORGANISM: artificial sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: kinase consensus target peptide
130 <400> SEQUENCE: 4
131 His Arg Asp Leu Ala Ala
132 1 5
134 <210> SEQ ID NO: 5
135 <211> LENGTH: 5
136 <212> TYPE: PRT
137 <213> ORGANISM: artificial sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: kinase consensus target peptide
142 <400> SEQUENCE: 5
143 Ser Asp Val Trp Ser
144 1 5
146 <210> SEQ ID NO: 6
147 <211> LENGTH: 16
148 <212> TYPE: DNA
149 <213> ORGANISM: artificial sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: primer
154 <220> FEATURE:
155 <221> NAME/KEY: misc_feature
156 <222> LOCATION: (4)..(4)
157 <223> OTHER INFORMATION: n = c or a
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <222> LOCATION: (3)..(3)
162 <223> OTHER INFORMATION: n = c or t
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (9)..(9)
167 <223> OTHER INFORMATION: n = c or t
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (10)..(10)
172 <223> OTHER INFORMATION: n = c or t
174 <400> SEQUENCE: 6
W--> **175 cannggann ggcbgc** 16
177 <210> SEQ ID NO: 7
178 <211> LENGTH: 16
179 <212> TYPE: DNA
180 <213> ORGANISM: artificial sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: primer
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <222> LOCATION: (2)..(2)

RAW SEQUENCE LISTING DATE: 10/26/2004
PATENT APPLICATION: **US/09/806,125F** TIME: 16:13:42

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\10262004\I806125F.raw**

188 <223> OTHER INFORMATION: n = a or g
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (8)..(8)
193 <223> OTHER INFORMATION: n = c or a
195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <222> LOCATION: (11)..(11)
198 <223> OTHER INFORMATION: n = g or a
200 <220> FEATURE:
201 <221> NAME/KEY: misc_feature
202 <222> LOCATION: (14)..(14)
203 <223> OTHER INFORMATION: n = a or g
205 <400> SEQUENCE: 7
W--> **206 anctccanac ntcnct** **16**
208 <210> SEQ ID NO: 8
209 <211> LENGTH: 17
210 <212> TYPE: DNA
211 <213> ORGANISM: artificial sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: primer
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (3)..(3)
219 <223> OTHER INFORMATION: n = c or t
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (4)..(4)
224 <223> OTHER INFORMATION: n = c or a
226 <220> FEATURE:
227 <221> NAME/KEY: misc_feature
228 <222> LOCATION: (6)..(6)
229 <223> OTHER INFORMATION: n = g or a
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <222> LOCATION: (10)..(10)
234 <223> OTHER INFORMATION: n = c or t
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (12)..(12)
239 <223> OTHER INFORMATION: n = g or t
241 <220> FEATURE:
242 <221> NAME/KEY: misc_feature
243 <222> LOCATION: (15)..(15)
244 <223> OTHER INFORMATION: n = a or t
246 <400> SEQUENCE: 8
W--> **247 canngngacn tngcngc** **17**
249 <210> SEQ ID NO: 9
250 <211> LENGTH: 16

RAW SEQUENCE LISTING DATE: 10/26/2004
PATENT APPLICATION: **US/09/806,125F** TIME: 16:13:42

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\10262004\I806125F.raw**

```
     251 <212> TYPE: DNA
     252 <213> ORGANISM: artificial sequence
     254 <220> FEATURE:
     255 <223> OTHER INFORMATION: primer
     257 <220> FEATURE:
     258 <221> NAME/KEY: misc_feature
     259 <222> LOCATION: (2)..(2)
     260 <223> OTHER INFORMATION: n = a or g
     262 <220> FEATURE:
     263 <221> NAME/KEY: misc_feature
     264 <222> LOCATION: (8)..(8)
     265 <223> OTHER INFORMATION: n = a or c
     267 <220> FEATURE:
     268 <221> NAME/KEY: misc_feature
     269 <222> LOCATION: (14)..(14)
     270 <223> OTHER INFORMATION: n = a or c
     272 <400> SEQUENCE: 9
W--> 273 anctccanac gtcnga                                          16
     275 <210> SEQ ID NO: 10
     276 <211> LENGTH: 17
     277 <212> TYPE: DNA
     278 <213> ORGANISM: artificial sequence
     280 <220> FEATURE:
     281 <223> OTHER INFORMATION: primer
     283 <220> FEATURE:
     284 <221> NAME/KEY: misc_feature
     285 <222> LOCATION: (3)..(3)
     286 <223> OTHER INFORMATION: c or t
     288 <220> FEATURE:
     289 <221> NAME/KEY: misc_feature
     290 <222> LOCATION: (4)..(4)
     291 <223> OTHER INFORMATION: n = c or a
     293 <220> FEATURE:
     294 <221> NAME/KEY: misc_feature
     295 <222> LOCATION: (6)..(6)
     296 <223> OTHER INFORMATION: n = g or a
     298 <220> FEATURE:
     299 <221> NAME/KEY: misc_feature
     300 <222> LOCATION: (10)..(10)
     301 <223> OTHER INFORMATION: n = c or t
     303 <220> FEATURE:
     304 <221> NAME/KEY: misc_feature
     305 <222> LOCATION: (15)..(15)
     306 <223> OTHER INFORMATION: n = a or g
     308 <400> SEQUENCE: 10
W--> 309 canngngacn tggcngc                                         17
     311 <210> SEQ ID NO: 11
     312 <211> LENGTH: 16
     313 <212> TYPE: DNA
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/26/2004
PATENT APPLICATION: US/09/806,125F TIME: 16:13:44

Input Set : A:\pto.lm.txt
Output Set: N:\CRF4\10262004\I806125F.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 6,10
Seq#:2; Xaa Pos. 6,10
Seq#:3; Xaa Pos. 1,2,3,4,6,7,9,11
Seq#:6; N Pos. 3,4,9,10
Seq#:7; N Pos. 2,8,11,14
Seq#:8; N Pos. 3,4,6,10,12,15
Seq#:9; N Pos. 2,8,14
Seq#:10; N Pos. 3,4,6,10,15
Seq#:11; N Pos. 2,8,11,14

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:3; Line(s) 104

VERIFICATION SUMMARY DATE: 10/26/2004
PATENT APPLICATION: **US/09/806,125F** TIME: 16:13:44

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\10262004\I806125F.raw**

L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0